



JC02 Rec'd PCT/PES 21 MAR 2005

PCT #4

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Docket No: Q85951

Sho KUMAGAI, et al.

Appln. No.: 10/522,382

Group Art Unit: Unknown

Confirmation No.: Unknown

Examiner: Unknown

Filed: January 26, 2005

For: SPUTTERING TARGET

REQUEST FOR REFUND

**MAIL STOP 16**

Director of the U.S. Patent and Trademark Office  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Applicants hereby respectfully request a refund in the amount of \$100.00. This refund is to be credited to Deposit Account No. 19-4880.

Applicants believe that revised 37 C.F.R. § 1.492 allows reduced search and examination fees for applications in which the national fee was not filed before December 8, 2004. The above-referenced application was filed on January 26, 2005, with a copy of the International Search Report. (A copy of the transmittal letter, PTO stamped Serial Number Card and ISR is attached.) Therefore, Applicants believe they are entitled to the reduced fee. A duplicate copy of this paper is also attached.

Respectfully submitted,

  
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WASHINGTON OFFICE  
23373  
CUSTOMER NUMBER

Date: March 21, 2005



National Stage Entry of PCT/JP2003/009096  
REQUEST FOR EARLY NOTIFICATION OF SERIAL NUMBER

Inventor(s): Sho KUMAGAI, Fumio ODAKA, Shigeki ENDO

Title: SPUTTERING TARGET

Atty Doc. #: Q85951 Client: MIYOSHI & MIYOSHI PATENT ATTYS

Filing Date: January 26, 2005 # Pgs. Spec/Abst: 27/1\* #Claims: 8

\*1<sup>st</sup> page of WO 2004/011690, 1 copy of PCT/IB/304

# Dwg. Sheets: none Decl yes Prelim Amdt yes

IDS/PTO/SB/08 A & B/ISR/IPER/refs: yes Asgmt/PTO-1595: yes

Fees: \$1000.00 + \$40.00

Checks Attached  Charge to Deposit # 19-4880 Atty/Sec: JTC/ecb

SERIAL NO. **10/522382** CONF NO.:  
DT07 Rec'd PCT/PTO 26 JAN 2005



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January 26, 2005

PCT/JP2003/009096  
-filed July 17, 2003

**MAIL STOP PCT**  
Commissioner for Patents  
P.O. BOX 1450  
Alexandria, VA 22313-1450

Re: Application of Sho KUMAGAI, Fumio ODAKA, and Shigeki ENDO  
SPUTTERING TARGET  
Assignee: BRIDGESTONE CORPORATION  
Our Ref: Q85951

Dear Sir:

The following documents and fees are submitted herewith in connection with the above application for the purpose of entering the National stage under 35 U.S.C. §371 and in accordance with the Patent Cooperation Treaty:

- a copy of the executed Declaration and Power of Attorney.
- an English translation of the International Application. Also enclosed is the first page of WO 2004/011690 A1.
- 0 sheet(s) of drawings.
- a copy of Notification Concerning Submission or Transmittal of Priority Document (Form PCT/IB/304).
- an English translation of Article 19 claim amendments.
- an English translation of Article 34 amendments (annexes to the IPER).
- a copy of the executed Assignment and PTO 1595 form.
- an Information Disclosure Statement with a PTO/SB/08 A & B (modified) listing references including the ISR/IPER references, a copy of the International Search Report (PCT/ISA/210), and a copy of the International Preliminary Examination Report.
- a copy of each reference cited in the ISR/IPER.
- a Preliminary Amendment.
- It is expressly requested that the national stage of processing be commenced immediately in accordance with 35 U.S.C. § 371(f).**



Commissioner for Patents  
January 26, 2005  
Page 2

It is assumed that copies of the International Application, the International Search Report and cited references, the International Preliminary Examination Report, and any Articles 19 and 34 amendments as required by §371(c) will be supplied directly by the International Bureau, but if further copies are needed, the undersigned will undertake to provide them upon request.

The Government filing fee is calculated, **based on the Article 34 Amended claims, further amended by the enclosed Preliminary Amendment**, as follows:

Total claims	8 - 20 =	x \$50.00 =	\$0.00
Independent claims	2 - 3 =	x \$200.00 =	\$0.00
			0
Base Fee			\$300.00
Search Fee			\$500.00
Examination Fee			\$200.00
<b>TOTAL FILING FEE</b>			<b>\$1000.00</b>
<b>Recordation of Assignment</b>			<b>\$ 40.00</b>
<b>TOTAL FEE</b>			<b>\$1040.00</b>

Checks for the statutory filing fee of \$1000.00 and Assignment recordation fee of \$40.00 are attached. The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account. A duplicate copy of this transmittal letter is attached.

Priority is claimed from:

<u>Country</u>	<u>Application No</u>	<u>Filing Date</u>
Japan	2002-221652	July 30, 2002
Japan	2003-170984	June 16, 2003

Respectfully submitted,

A handwritten signature in black ink, appearing to read "John Callahan".

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WASHINGTON OFFICE

23373

CUSTOMER NUMBER

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP03/09096

## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 60-80295 A (Sumitomo Electric Industries, Ltd.), 08 May, 1985 (08.05.85), Claims; page 2, lower left column, lines 2 to 5 (Family: none)	1-4
A	JP 4-128369 A (Sumitomo Cement Co., Ltd.), 28 April, 1992 (28.04.92), Full descriptions (Family: none)	1-4
A	JP 8-183661 A (Kyocera Corp.), 16 July, 1996 (16.07.96), Full descriptions (Family: none)	1-4
A	JP 5-70230 A (Kabushiki Kaisha SI Tech), 23 March, 1993 (23.03.93), Full descriptions (Family: none)	1-4

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP03/09096

**A. CLASSIFICATION OF SUBJECT MATTER**  
Int.Cl<sup>7</sup> C23C14/34, C04B35/56

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl<sup>7</sup> C23C14/00-14/58, C04B35/56-35/58

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
 Jitsuyo Shinan Koho 1922-1996 Toroku Jitsuyo Shinan Koho 1994-2003  
 Kokai Jitsuyo Shinan Koho 1971-2003 Jitsuyo Shinan Toroku Koho 1996-2003

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
 WPI/L [IC=C23C-014/34 and silicon(w) carbide]  
 JOIS [SiC\*TAGGET] (in Japanese)

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6217969 B1 (Bridgestone Corp.), 17 April, 2001 (17.04.01), Column 1, lines 5 to 12; column 2, lines 23 to 31; column 4, lines 34 to 40; table 2; Claims & JP 11-61394 A Claims; Par. Nos. [0008], [0009], [0024], [0075], [0077]	1-4
Y	JP 5-339057 A (Bridgestone Corp.), 21 December, 1993 (21.12.93), Claims; Par. No. [0014] (Family: none)	1-4
Y	JP 2-111663 A (Eagle Kogyo Co., Ltd.), 24 April, 1990 (24.04.90), Claims; examples (Family: none)	1-4

 Further documents are listed in the continuation of Box C. See patent family annex.

"A"	Special categories of cited documents: document defining the general state of the art which is not considered to be of particular relevance	"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E"	earlier document but published on or after the international filing date	"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L"	document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y"	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O"	document referring to an oral disclosure, use, exhibition or other means	"&"	document member of the same patent family
"P"	document published prior to the international filing date but later than the priority date claimed		

Date of the actual completion of the international search  
20 October, 2003 (20.10.03)Date of mailing of the international search report  
04 November, 2003 (04.11.03)Name and mailing address of the ISA/  
Japanese Patent Office

Authorized officer

Facsimile No.

Telephone No.